SCHWEGMAN □ LUNDBERG □ WOESSNER □ KLUTH

United States Patent Application combined declaration and power of attorney

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: <u>THERMAL INTERMEDIATE APPARATUS</u>, SYSTEMS, AND METHODS.

The specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. § 1.63(e).

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 120 or 365(c) of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

No such claim for priority is being made at this time.

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Aldous, Alan Reg. No. 31,905 Greenberg, Robert A. Reg. No. 44,133 Perdok, Monique M. Reg. No. 42,926 Anglin, J. Michael Reg. No. 24,916 Anglin, J. Michael Reg. No. 24,916 Reg. No. 42,267 Hope, Libby Reg. No. 37,346 Peterson, David C. Reg. No. 43,004 Bacon, Shireen Reg. No. 40,494 Huter, Jeffrey B. Reg. No. 41,086 Bacon, Shireen Reg. No. 40,494 Huter, Jeffrey B. Reg. No. 41,086 Reg. No. 41,086 Reg. No. 40,494 Huter, Jeffrey B. Reg. No. 44,070 Barre, Michael Reg. No. 40,494 Huter, Jeffrey B. Reg. No. 44,677 Reg. No. 41,086 Reg. No. 40,494 Huter, Jeffrey B. Reg. No. 47,670 Prouk, William F. Reg. No. 33,021 Reg. No. 40,623 Jackson Huebsch, Katharine A. Reg. No. 47,670 Prouk, William F. Reg. No. 33,021 Reg. No. 40,670 Reg. No. 43,021 Reg. No. 37,650 Sayles, Crystal D. Reg. No. 40,631 Reg. No. 37,650 Sayles, Crystal D. Reg. No. 49,942 Billion, Richard E. Reg. No. 32,336 Klima-Silberg, Catherine I. Reg. No. 40,670 Schumm, Sherry W. Reg. No. 42,331 Kluth, Daniel J. Reg. No. 44,1136 Reddward Reg. No. 37,784 Reg. No. 35,075 Lam, Peter Reg. No. 44,815 Reg. No. 44,815 Reg. No. 44,815 Reg. No. 40,652 Schwegman, Micheal L. Reg. No. 30,105 Reg. No. 43,021 Reg. No. 40,652 Schwegman, Micheal L. Reg. No. 30,105 Reg. No. 40,670 Schumm, Sherry W. Reg. No. 30,105 Reg. No. 40,670 Schumm, Sherry W. Reg. No. 30,671 Reg. No. 40,672 Schwegman, Micheal L. Reg. No. 30,105 Reg. No. 40,673 Schwegman, Micheal L. Reg. No. 30,105 Reg. No. 40,673 Schwegman, Micheal L. Reg. No. 30,105 Reg. No. 40,673 Schwegman, Micheal L. Reg. No. 30,105 Reg. No. 40,674 Reg. No. 40,675 Schwegman, Micheal L. Reg. No. 30,105 Reg. No. 40,675 Reg. No. 40,675 Schwegman, Micheal L. Reg. No. 30,105 Reg. No. 40,675 Reg. No. 40,674 Reg. No. 40,675 Reg. No. 40,675 Reg. No. 40,675 Reg. No. 40,674 Reg. No.	•					
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Bacon, Shireen Reg. No. 40,494 Huter, Jeffrey B. Reg. No. 41,086 Proksch, Michael A. Reg. No. 43,021 Barre, Michael Reg. No. 50,901 Jackson Huebsch, Katharine A. Reg. No. 47,670 Prout, William F. Reg. No. 33,995 Reale, Jay P. Reg. No. 50,901 Jurkovich, Patti J. Reg. No. 34,618 Ref. Kevin A. Reg. No. 36,381 Red. Reg. No. 38,377 Kalis, Janal M. Reg. No. 37,650 Sayles, Crystal D. Reg. No. 44,318 Ref. Kevin A. Reg. No. 39,610 Reg. No. 39,610 Kalson, Seth Reg. No. 40,670 Schurm, Sherry W. Reg. No. 39,422 Billion, Richard E. Reg. No. 39,610 Kalson, Seth Reg. No. 40,670 Schurm, Sherry W. Reg. No. 25,816 Black, David W. Reg. No. 42,331 Kluth, Daniel J. Reg. No. 32,146 Scott, Russell Reg. No. 43,103 Brake, Edward Reg. No. 37,784 Lacy, Rodney L. Reg. No. 41,136 Seddon, Ken Reg. No. 43,105 Brennan, Thomas F. Reg. No. 35,784 Lacy, Rodney L. Reg. No. 44,855 Seeley, Mark Reg. No. 32,299 Burge, Ben Reg. No. 42,372 Lin, Issac Reg. No. 50,672 Shah, Ami P. Reg. No. 32,299 Reg. Ro. 10,477 Lundberg, Steven W. Reg. No. 30,685 Simon, David Reg. No. 30,2756 Chang, Robert H. Reg. No. 48,765 Maki, Peter C. Reg. No. 42,832 Skabrat, Steve Reg. No. 36,279 Choi, Glen Reg. No. 33,546 Martinez, Anthony Reg. No. 44,923 Steffey, Charles E. Reg. No. 25,179 Reg. No. 45,458 Reg. No. 40,957 McCall, Molly Reg. No. 46,126 Stuttman-Horn, Joni D. Reg. No. 45,416 Reg. No. 46,632 McCrackin, Ann M. Reg. No. 46,535 Tran, David Reg. No. 49,571 Reg. No. 45,616 Reg. No. 40,570 Mehrle, Joseph P. Reg. No. 45,635 Tran, David Reg. No. 40,570 Reg. No. 40,570 Mehrle, Joseph P. Reg. No. 45,635 Tran, David Reg. No. 37,748 Reg. No. 40,570	Anglin, J. Michael	Reg. No. 24,916	Harris, Robert J.	Reg. No. 37,346	Peterson, David C.	Reg. No. 47,857
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Brake, Edward Reg. No. 37,784 Lacy, Rodney L. Reg. No. 41,136 Seddon, Ken Reg. No. 43,105 Brennan, Thomas F. Reg. No. 35,075 Lam, Peter Reg. No. 44,855 Seeley, Mark Reg. No. 32,299 Burge, Ben Reg. No. 42,372 Lin, Issac Reg. No. 50,6672 Shah, Ami P. Reg. No. 42,143 Chadwick, Robin A. Reg. No. 36,477 Lundberg, Steven W. Reg. No. 30,568 Simon, David Reg. No. 36,279 Chang, Robert H. Reg. No. 48,765 Maki, Peter C. Reg. No. 42,832 Skabrat, Steve Reg. No. 36,279 Chen, George Reg. No. 50,807 Malen, Peter L. Reg. No. 44,894 Speier, Gary J. Reg. No. 45,458 Clark, Barbara J. Reg. No. 38,107 Mates, Robert E. Reg. No. 44,223 Steffrey, Charles E. Reg. No. 25,179 Clark, Barbara J. Reg. No. 40,957 McCall, Molly Reg. No. 46,126 Stutman-Horn, Joni D. Reg. No. 41,126 Clise, Timothy B. Reg. No. 40,570 Merline, Joseph P. Reg. No. 42,585 Tong, Viet V. Reg. No. 49,610 Cool, Kenneth J. Reg. No. 50,610 Mennemeie	Billion, Richard E.	Reg. No. 32,836	Klima-Silberg, Catherine I.	Reg. No. 40,052	Schwegman, Micheal L.	
Brennan, Thomas F. Reg. No. 35,075 Lam, Peter Reg. No. 44,855 Seeley, Mark Reg. No. 22,299 Burge, Ben Reg. No. 42,372 Lin, Issae Reg. No. 50,672 Shah, Ami P. Reg. No. 42,143 Chadwick, Robin A. Reg. No. 42,775 Reg. No. 30,568 Simon, David Reg. No. 32,756 Chang, Robert H. Reg. No. 48,765 Maki, Peter C. Reg. No. 42,832 Skabrat, Steve Reg. No. 36,279 Chen, George Reg. No. 50,807 Malen, Peter L. Reg. No. 44,894 Speier, Gary J. Reg. No. 45,458 Choi, Glen Reg. No. 43,546 Martinez, Anthony Reg. No. 44,223 Steffey, Charles E. Reg. No. 25,179 Clark, Barbara J. Reg. No. 38,107 Mates, Robert E. Reg. No. 44,223 Steffey, Charles E. Reg. No. 42,1326 Clise, Timothy B. Reg. No. 40,957 McCall, Molly Reg. No. 42,858 Tong, Viet V. Reg. No. 42,173 Cochran, David R. Reg. No. 40,570 McCrackin, Ann M. Reg. No. 42,858 Tong, Viet V. Reg. No. 45,416 Cool, Kenneth J. Reg. No. 40,570 Melnenmeier, Larry Reg. No. 51,0	Black, David W.	Reg. No. 42,331	Kluth, Daniel J.	Reg. No. 32,146	Scott, Russell	Reg. No. 43,103
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Chang, Robert H. Reg. No. 48,765 Maki, Peter C. Reg. No. 42,832 Skabrat, Steve Reg. No. 36,279 Chen, George Reg. No. 50,807 Malen, Peter L. Reg. No. 44,894 Speier, Gary J. Reg. No. 45,458 Choi, Glen Reg. No. 43,546 Martinez, Anthony Reg. No. 44,223 Steffey, Charles E. Reg. No. 25,179 Clark, Barbara J. Reg. No. 38,107 Mates, Robert E. Reg. No. 35,271 Steiner, Paul E. Reg. No. 41,326 Clise, Timothy B. Reg. No. 40,957 McCall, Molly Reg. No. 46,126 Stuttman-Horn, Joni D. Reg. No. 42,173 Cochran, David R. Reg. No. 40,570 Mehrle, Joseph P. Reg. No. 45,535 Tran, David Reg. No. 50,804 Crawford, Ted A. Reg. No. 50,610 Mennemeier, Larry Reg. No. 51,003 Reg. No. 51,003 Travis, John F. Reg. No. 43,203 Del.izio, Andrew Reg. No. 52,866 Nagy, Paul Reg. No. 37,509 Viksnins, Ann S. Reg. No. 54,654 Diehl, Robert Reg. No. 40,594 Nama, Prakash Reg. No. 44,255 Wells, Calvin Reg. No. 45,215 Drake, Eduardo E. Reg. No. 40,594 Nesheiwat, Michael J. Reg. No. 47,819 Willardson, Michael Reg. No. 50,864 Reg. No. 39,973 Nielsen, Walter W. Reg. No. 25,539 Wissor, Rita Reg. No. 37,476 Reg. No. 37,476 Reg. No. 42,810 Wong, Sharon Reg. No. 37,760	Chadwick, Robin A.	Reg. No. 36,477	Lundberg, Steven W.	Reg. No. 30,568	Simon, David	Reg. No. 32,756
Chen, George Reg. No. 50,807 Malen, Peter L. Reg. No. 44,894 Speier, Gary J. Reg. No. 45,458 Choi, Glen Reg. No. 43,546 Martinez, Anthony Reg. No. 44,223 Steffey, Charles E. Reg. No. 25,179 Clark, Barbara J. Reg. No. 38,107 Mates, Robert E. Reg. No. 35,271 Steiner, Paul E. Reg. No. 41,326 Clise, Timothy B. Reg. No. 40,957 McCall, Molly Reg. No. 46,126 Stutman-Horn, Joni D. Reg. No. 42,173 Cochran, David R. Reg. No. 46,632 McCrackin, Ann M. Reg. No. 42,858 Tong, Viet V. Reg. No. 50,804 Cool, Kenneth J. Reg. No. 40,570 Mehrle, Joseph P. Reg. No. 45,535 Tran, David Reg. No. 50,804 Crawford, Ted A. Reg. No. 50,610 Mennemeier, Larry Reg. No. 51,003 Travis, John F. Reg. No. 43,203 Dahl, John M. Reg. No. 52,806 Magy, Paul Reg. No. 37,509 Viksnins, Ann S. Reg. No. 54,654 Diehl, Robert Reg. No. 40,992 Nama, Prakash Reg. No. 44,255 Wells, Calvin Reg. No. 43,256 Drake, Eduardo E. Reg. No. 40,594 Ne	Chang, Robert H.	Reg. No. 48,765	Maki, Peter C.	Reg. No. 42,832	Skabrat, Steve	
Choi, Glen Reg. No. 43,546 Martinez, Anthony Reg. No. 44,223 Steffey, Charles E. Reg. No. 25,179 Clark, Barbara J. Reg. No. 38,107 Mates, Robert E. Reg. No. 35,271 Steiner, Paul E. Reg. No. 41,326 Clise, Timothy B. Reg. No. 40,957 McCall, Molly Reg. No. 46,126 Stutman-Horn, Joni D. Reg. No. 42,173 Cochran, David R. Reg. No. 46,632 McCrackin, Ann M. Reg. No. 42,858 Tong, Viet V. Reg. No. 45,416 Cool, Kenneth J. Reg. No. 40,570 Mehrle, Joseph P. Reg. No. 45,535 Tran, David Reg. No. 50,804 Crawford, Ted A. Reg. No. 50,610 Mennemeier, Larry Reg. No. 51,003 Travis, John F. Reg. No. 43,203 Dahl, John M. Reg. No. 44,639 Muller, Mark V. Reg. No. 37,509 Viksnins, Ann S. Reg. No. 54,654 Dielzio, Andrew Reg. No. 52,806 Nagy, Paul Reg. No. 37,896 Wawrzyn, Robert Reg. No. 54,654 Diehl, Robert Reg. No. 40,992 Nama, Prakash Reg. No. 44,255 Wells, Calvin Reg. No. 43,256 Drake, Eduardo E. Reg. No. 41,000 <td< td=""><td>Chen, George</td><td>Reg. No. 50,807</td><td>Malen, Peter L.</td><td>Reg. No. 44,894</td><td>Speier, Gary J.</td><td></td></td<>	Chen, George	Reg. No. 50,807	Malen, Peter L.	Reg. No. 44,894	Speier, Gary J.	
Clark, Barbara J. Reg. No. 38,107 Mates, Robert E. Reg. No. 35,271 Steiner, Paul E. Reg. No. 41,326 Clise, Timothy B. Reg. No. 40,957 McCall, Molly Reg. No. 46,126 Stutman-Horn, Joni D. Reg. No. 42,173 Cochran, David R. Reg. No. 46,632 McCrackin, Ann M. Reg. No. 42,858 Tong, Viet V. Reg. No. 45,416 Cool, Kenneth J. Reg. No. 40,570 Mehrle, Joseph P. Reg. No. 45,535 Tran, David Reg. No. 50,804 Crawford, Ted A. Reg. No. 50,610 Mennemeier, Larry Reg. No. 51,003 Travis, John F. Reg. No. 43,203 Dahl, John M. Reg. No. 44,639 Muller, Mark V. Reg. No. 37,509 Viksnins, Ann S. Reg. No. 37,748 DeLizio, Andrew Reg. No. 52,806 Nagy, Paul Reg. No. 37,896 Wawrzyn, Robert Reg. No. 54,654 Diehl, Robert Reg. No. 40,992 Nama, Prakash Reg. No. 44,255 Wells, Calvin Reg. No. 43,256 Draeger, Jeffrey S. Reg. No. 41,000 Nelson, A. James Reg. No. 47,819 Whittington, Stuart Reg. No. 50,856 Embretson, Janet E. Reg. No. 39,965	Choi, Glen	Reg. No. 43,546	Martinez, Anthony	Reg. No. 44,223	Steffey, Charles E.	
Clise, Timothy B. Reg. No. 40,957 McCall, Molly Reg. No. 46,126 Stutman-Horn, Joni D. Reg. No. 42,173 Cochran, David R. Reg. No. 46,632 McCrackin, Ann M. Reg. No. 42,858 Tong, Viet V. Reg. No. 45,416 Reg. No. 40,570 Mehrle, Joseph P. Reg. No. 45,535 Tran, David Reg. No. 50,804 Crawford, Ted A. Reg. No. 50,610 Mennemeier, Larry Reg. No. 51,003 Travis, John F. Reg. No. 43,203 Dahl, John M. Reg. No. 44,639 Muller, Mark V. Reg. No. 37,509 Viksnins, Ann S. Reg. No. 37,748 DeLizio, Andrew Diehl, Robert Reg. No. 52,806 Nagy, Paul Reg. No. 37,896 Wawrzyn, Robert Reg. No. 54,654 Draeger, Jeffrey S. Reg. No. 41,000 Nelson, A. James Reg. No. 44,255 Wells, Calvin Reg. No. 45,215 Drake, Eduardo E. Reg. No. 40,594 Nesheiwat, Michael J. Reg. No. 47,819 Willardson, Michael Reg. No. 37,474 Faatz, Cindy Reg. No. 39,973 Nielsen, Walter W. Reg. No. 25,539 Wisor, Rita Reg. No. 30,440 Reg. No. 30,440 Reg. No. 30,440 Reg. No. 35,635 Woessner, Warren D. Reg. No. 37,760 Reg. No. 37,760	Clark, Barbara J.	Reg. No. 38,107	Mates, Robert E.	Reg. No. 35,271	Steiner, Paul E.	•
Cochran, David R. Reg. No. 46,632 McCrackin, Ann M. Reg. No. 42,858 Tong, Viet V. Reg. No. 45,416 Cool, Kenneth J. Reg. No. 40,570 Mehrle, Joseph P. Reg. No. 45,535 Tran, David Reg. No. 50,804 Crawford, Ted A. Reg. No. 50,610 Mennemeier, Larry Reg. No. 51,003 Travis, John F. Reg. No. 43,203 Dahl, John M. Reg. No. 44,639 Muller, Mark V. Reg. No. 37,509 Viksnins, Ann S. Reg. No. 37,748 DeLizio, Andrew Reg. No. 52,806 Nagy, Paul Reg. No. 37,896 Wawrzyn, Robert Reg. No. 54,654 Diehl, Robert Reg. No. 40,992 Nama, Prakash Reg. No. 44,255 Wells, Calvin Reg. No. 43,256 Draeger, Jeffrey S. Reg. No. 41,000 Nelson, A. James Reg. No. 28,650 Whittington, Stuart Reg. No. 45,215 Drake, Eduardo E. Reg. No. 40,594 Nesheiwat, Michael J. Reg. No. 24,819 Willardson, Michael Reg. No. 50,856 Embretson, Janet E. Reg. No. 39,665 Nicholls, Dennis A. Reg. No. 42,036 Winkle, Robert G. Reg. No. 37,474 Faatz, Cindy Reg. No. 30,837 </td <td>Clise, Timothy B.</td> <td>Reg. No. 40,957</td> <td>McCall, Molly</td> <td>Reg. No. 46,126</td> <td>Stutman-Horn, Joni D.</td> <td>•</td>	Clise, Timothy B.	Reg. No. 40,957	McCall, Molly	Reg. No. 46,126	Stutman-Horn, Joni D.	•
Cool, Kenneth J. Reg. No. 40,570 Mehrle, Joseph P. Reg. No. 45,535 Tran, David Reg. No. 50,804 Crawford, Ted A. Reg. No. 50,610 Mennemeier, Larry Reg. No. 51,003 Travis, John F. Reg. No. 43,203 Dahl, John M. Reg. No. 44,639 Muller, Mark V. Reg. No. 37,509 Viksnins, Ann S. Reg. No. 37,748 DeLizio, Andrew Reg. No. 52,806 Nagy, Paul Reg. No. 37,896 Wawrzyn, Robert Reg. No. 54,654 Diehl, Robert Reg. No. 40,992 Nama, Prakash Reg. No. 44,255 Wells, Calvin Reg. No. 43,256 Draeger, Jeffrey S. Reg. No. 41,000 Nelson, A. James Reg. No. 28,650 Whittington, Stuart Reg. No. 45,215 Drake, Eduardo E. Reg. No. 40,594 Nesheiwat, Michael J. Reg. No. 47,819 Willardson, Michael Reg. No. 50,856 Embretson, Janet E. Reg. No. 39,665 Nicholls, Dennis A. Reg. No. 42,036 Winkle, Robert G. Reg. No. 37,474 Faatz, Cindy Reg. No. 30,837 Padys, Danny J. Reg. No. 25,539 Wisor, Rita Reg. No. 30,440 Gagne, Christopher Reg. No. 36,142	Cochran, David R.	Reg. No. 46,632	McCrackin, Ann M.	Reg. No. 42,858	Tong, Viet V.	Reg. No. 45,416
Crawford, Ted A. Reg. No. 50,610 Mennemeier, Larry Reg. No. 51,003 Travis, John F. Reg. No. 43,203 Dahl, John M. Reg. No. 44,639 Muller, Mark V. Reg. No. 37,509 Viksnins, Ann S. Reg. No. 37,748 DeLizio, Andrew Reg. No. 52,806 Nagy, Paul Reg. No. 37,896 Wawrzyn, Robert Reg. No. 54,654 Diehl, Robert Reg. No. 40,992 Nama, Prakash Reg. No. 44,255 Wells, Calvin Reg. No. 43,256 Draeger, Jeffrey S. Reg. No. 41,000 Nelson, A. James Reg. No. 28,650 Whittington, Stuart Reg. No. 45,215 Drake, Eduardo E. Reg. No. 40,594 Nesheiwat, Michael J. Reg. No. 47,819 Willardson, Michael Reg. No. 50,856 Embretson, Janet E. Reg. No. 39,665 Nicholls, Dennis A. Reg. No. 42,036 Winkle, Robert G. Reg. No. 37,474 Faatz, Cindy Reg. No. 39,973 Nielsen, Walter W. Reg. No. 25,539 Wisor, Rita Reg. No. 30,440 Forrest, Bradley A. Reg. No. 30,837 Padys, Danny J. Reg. No. 35,635 Woessner, Warren D. Reg. No. 37,760 Gagne, Christopher Reg. No.	Cool, Kenneth J.	Reg. No. 40,570	Mehrle, Joseph P.	Reg. No. 45,535	•	•
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Drake, Eduardo E. Reg. No. 40,594 Nesheiwat, Michael J. Reg. No. 47,819 Willardson, Michael Reg. No. 50,856 Embretson, Janet E. Reg. No. 39,665 Nicholls, Dennis A. Reg. No. 42,036 Winkle, Robert G. Reg. No. 37,474 Faatz, Cindy Reg. No. 39,973 Nielsen, Walter W. Reg. No. 25,539 Wisor, Rita Reg. No. 41,382 Forrest, Bradley A. Reg. No. 30,837 Padys, Danny J. Reg. No. 35,635 Woessner, Warren D. Reg. No. 30,440 Gagne, Christopher Reg. No. 36,142 Parker, Lanny Reg. No. 44,281 Wong, Sharon Reg. No. 37,760	Draeger, Jeffrey S.	Reg. No. 41,000	Nelson, A. James	Reg. No. 28,650	Whittington, Stuart	-
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Forrest, Bradley A. Reg. No. 30,837 Padys, Danny J. Reg. No. 35,635 Woessner, Warren D. Reg. No. 30,440 Reg. No. 36,142 Parker, Lanny Reg. No. 44,281 Wong, Sharon Reg. No. 37,760	Faatz, Cindy	Reg. No. 39,973	Nielsen, Walter W.	Reg. No. 25,539	Wisor, Rita	•
Gagne, Christopher Reg. No. 36,142 Parker, Lanny Reg. No. 44,281 Wong, Sharon Reg. No. 37,760	Forrest, Bradley A.	Reg. No. 30,837	Padys, Danny J.	- ·	Woessner, Warren D.	•
	Gagne, Christopher	Reg. No. 36,142	Parker, Lanny	Reg. No. 44,281	-	•
	Gorrie, Gregory J.	Reg. No. 36,530	Parker, J. K.	•	- -	
Greaves, John N. Reg. No. 40,362 Peacock, Gregg A. Reg. No. 45,001	Greaves, John N.	Reg. No. 40,362	Peacock, Gregg A.	Reg. No. 45,001	•	,

I hereby authorize them to act and rely on instructions from and communicate directly with the

person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below: P.O. Box 2938, Minneapolis, MN 55402

Telephone No. (612)373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number	per 1:	Bryan M.	White
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X Additional inventors are being named on separately numbered sheets, attached hereto.

Date:

Signature:

C. Michael Garner

Attorney Docket No.: 884.864US1 Serial No. not assigned Filing Date: not assigned

§ 1.56 Duty to disclose information material to patentability.

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
 - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
 - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
 - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application:
 - (2) Each attorney or agent who prepares or prosecutes the application; and
 - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

TO P.10/13

Attorney Docket No.884.864US

SCHWEGMAN ■ LUNDBERG ■ WOESSNER ■ KLUTH

United States Patent Application COMBINED DECLARATION AND POWER OF ATTOR

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: THERMAL INTERMEDIATE APPARATUS, SYSTEMS, AND METHODS.

The specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. § 1.63(e).

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 120 or 365(c) of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

No such claim for priority is being made at this time.

Attorney Docket No.: \$84.864US1 Serial No. not assigned Filing Date: not assigned

Page 2 of

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignce/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary. Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below: P.O. Box 2938, Minneapolis, MN 55402

Telephone No. (612)373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and

made are pullishable by line of imprisonme	at these statements were made with the know nt, or both, under Section 1001 of Title 18 of e application or any patent issued thereon.	ledge that willful false statements and the like so the United States Code and that such willful false
Full Name of joint inventor number 1:	Bryan M. White	

Post Office Address:

Citizenship:

United States of America

Smyrna, GA 30080

Residence: Smyrna, GA 715 Maner Ter

Signature:		 Date:	
	Bryan M. White		

C. Michael Garner

Signature:

TO

Date:

Attorney Docket No.: 884,864US1 Page 3 of Serial No. not assigned Filing Date: not assigned Full Name of joint inventor number 2: Paul A. Koning Citizenship: United States of America Residence: Chandler, AZ Post Office Address: 722 West Raven Drive Chandler, AZ 85248 Recomber 18,2003 Full Name of joint inventor number 3: Yuegang Zhang Citizenship: China Residence: Cupertino, CA Post Office Address: 7974 Woodlark Way Cupertino, CA 95014 Signature: Date: Yuegang Zhang Full Name of joint inventor number 4: C. Michael Garner Citizenship: United States of America Residence: Pleasanton, CA Post Office Address: 2781 Camino Casa Buena Pleasanton, CA 94566

TO

Attorney Docket No.: 884.864US1 Serial No. not assigned Filing Date: not assigned

Page 4 of 4

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SCHWEGMAN ■ LUNDBBRG ■ WOESSNER ■ KLUTH

United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

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No such claim for priority is being made at this time.

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Aldous, Alan	Reg. No. 31,905	Gromberg, Robert A.	Reg. No. 44,133	Perdok, Monique M.	Reg. No. 42,989
Anderson, Robert D.	Reg. No. 33,826	Greenwald, Bradley A.	Reg. No. 34,341	Peret, Andrew R.	Reg. No. 41,246
Anglin, J. Michael	Reg. No. 24,916	Harris, Robert J.	Reg. No. 37,346	Peterson, David C.	Reg. No. 47,857
Arora, Suneel	Reg. No. 42,267	Hope, Libby	Reg. No. 46,774	Plimier, Michael D.	Reg. No. 43,004
Bacon, Shireen	Reg. No. 40,494	Huter, Jeffrey B.	Reg. No. 41,086	Proksch, Michael A.	Reg. No. 43,021
Barre, Michael	Reg. No. 44,023	Jackson Huebsch, Katharine A.	Reg. No. 47,670	Prout, William F.	Reg. No. 33,995
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Beckman, Marvin L.	Reg. No. 38,377	Kalis, Janal M.	Reg. No. 37,650	Sayles, Crystal D.	Reg. No. 44,318
Bianchi, Timothy E.	Reg. No. 39,610	Kalson, Seth	Reg. No. 40,670	Schumm, Sherry W.	Reg. No. 39,422
Billion, Richard E.	Reg. No. 32,836	Klima-Silberg, Catherine I.	Reg. No. 40,052	Schwegman, Micheal L.	Reg. No. 25,816
Black, David W.	Reg. No. 42,331	Kluth, Daniel J.	Reg. No. 32,146	Scott, Russell	Reg. No. 43,103
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Burge, Ben	Reg. No. 42,372	Lin, Issac	Reg. No. 50,672	Shah, Ami P.	Reg. No. 42,143
Chadwick, Robin A.	Reg. No. 36,477	Lundberg, Steven W.	Reg. No. 30,568	Simon, David	Reg. No. 32,756
Chang, Robert H.	Reg. No. 48,765	Maki, Peter C.	Reg. No. 42,832	Skabrat, Steve	Reg. No. 36,279
Chen, George	Reg. No. 50,807	Malen, Peter L.	Reg. No. 44,894	Speier, Gary J.	Reg. No. 45,458
Choi, Glen	Reg. No. 43,546	Martinez, Anthony	Reg. No. 44,223	Stoffey, Charles E.	Reg. No. 25,179
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Cochran, David R.	Reg. No. 46,632	McCrackin, Ann M.	Reg. No. 42,858	Tong, Viet V.	Reg. No. 45,416
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Crawford, Ted A.	Reg. No. 50,610	Mennemeier, Larry	Rog. No. 51,003	Travis, John F.	Reg. No. 43,203
Dahl, John M.	Reg. No. 44,639	Muller, Mark V.	Reg. No. 37,509	Viksnins, Ann S.	Reg. No. 37,748
DeLizio, Andrew	Reg. No. 52,806	Nagy, Paul	Reg. No. 37,896	Wawrzyn, Robert	Reg. No. 54,654
Diehl, Robert	Reg. No. 40,992	Nama, Prakash	Reg. No. 44,255	Wells, Calvin	Reg. No. 43,256
Draeger, Jeffrey S.	Reg. No. 41,000	Nelson, A. James	Reg. No. 28,650	Whittington, Stuart	Reg. No. 45,215
Drake, Eduardo E.	Reg. No. 40,594	Nesheiwat, Michael J.	Reg. No. 47,819	Willardson, Michael	Reg. No. 50,856
Embretson, Janet E.	Reg. No. 39,665	Nicholls, Dennis A.	Reg. No. 42,036	Winkle, Robert G.	Reg. No. 37,474
Faatz, Cindy	Reg. No. 39,973	Niclson, Walter W.	Reg. No. 25,539	Wisor, Rita	Reg. No. 41,382
Forrest, Bradley A.	Reg. No. 30,837	Padys, Danny J.	Reg. No. 35,635	Woessner, Warren D.	Reg. No. 30,440
Gagne, Christopher	Reg. No. 36,142	Parker, Lanny	Reg. No. 44,281	Wong, Sharon	Reg. No. 37,760
Gorric, Gregory J.	Reg. No. 36,530	Parker, J. K.	Reg. No. 33,024	Yates, Steven D.	Reg. No. 42,242
Greaves, John N.	Reg. No. 40,362	Peacock, Gregg A.	Reg. No. 45,001		emgerior rapidia

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary. Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402

Telephone No. (612)373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor	number 1: Bryan M. White		
Citizenship:	United States of America	Residence: Smyrna, GA	
Post Office Address:	715 Maner Ter	•	
	Smyrna, GA 30080		
Signature:		Date:	
<u>.</u>	Bryan M. White		
_			

X Additional inventors are being named on separately numbered sheets, attached hereto.

Piling Date: not assigned Full Name of joint inventor number 2: Paul A. Koning Residence: Chandler, AZ Citizenship: United States of America Post Office Address: 722 West Raven Drive Chandler, AZ 85248 Signature: Date: Paul A. Koning Full Name of joint inventor number 3: Yuegang Zhang Citizenship: Residence: Cupertino, CA Post Office Address: 7974 Woodlark Way Cupertino, CA 95014 Full Name of joint inventor number 4: C. Michael Garner Citizenship: United States of America Residence: Pleasanton, CA Post Office Address: 2781 Camino Casa Buena Pleasanton, CA 94566 Signature: Date: C. Michael Garner

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